CLAIMS

 A method of operating an information retrieval system for retrieving information from a database in response to queries submitted by a user, said method comprising the steps of:

receiving a first user query;

deriving a first lexical chain set from said first user query using a predetermined lexical chaining algorithm, said first lexical chain set comprising one or more lexical chains representing possible interpretations of said first user query;

storing one or more lexical chains from said first lexical chain set in a lexical chain storage means;

identifying a first subset of documents from said database using said first lexical chain set and a predetermined information retrieval algorithm;

making information relating to said first subset of documents available to the 15 user:

receiving a subsequent user query, said subsequent user query being related to said first user query;

deriving a subsequent lexical chain set from said subsequent user query using a predetermined lexical chaining algorithm in conjunction with one or more lexical chains storage means;

identifying a subsequent subset of documents from said database using said subsequent lexical chain set and a predetermined information retrieval algorithm;

making information relating to said subsequent subset of documents available to the user.

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2) A method according to claim 1, further comprising additional steps, following the identification of a subset of documents from said database, of:

deriving a lexical chain set from said subset of documents; and updating said lexical chain storage means in view of said lexical chain set derived from said subset of documents.

3) A method according to claim 1, further comprising the additional steps, following one or more steps of making information relating to a subset of documents available to the user, of:

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receiving an indication from a user as to which documents from said subset of documents are considered to be relevant;

deriving a lexical chain set from those documents which are considered to be relevant; and

updating said lexical chain storage means in view of said lexical chain set derived from said documents which are considered to be relevant.

- 4) A method according to any of the preceding claims, further comprising the step of receiving an indication from a user as to whether a subsequent user query is considered
 10 to be related to a previous user query or not.
- 5) A method according to claim 4, wherein said steps of receiving a subsequent user query, deriving a subsequent lexical chain set, identifying a subsequent subset of documents and making information relating to said subsequent subset of documents available to the user are repeated in the event that an indication is received from a user that a subsequent user query is considered to be related to a previous user query.
- 6) A method according to claim 4, wherein said steps of receiving a subsequent user query, deriving a subsequent lexical chain set, identifying a subsequent subset of documents and making information relating to said subsequent subset of documents available to the user are repeated in the event that no indication is received from a user that a further user query is considered not to be related to a previous user query.
- 7) A method according to any of the preceding claims, wherein the database 25 comprises meta-data relating to said information.
 - 8) A method according to any of the preceding claims, wherein the information in the database is indexed using lexical chains.
- 30 9) A method according to claim 8, wherein the predetermined information retrieval algorithm is arranged to identify documents with reference to said indexed information.
 - 10) An information retrieval system for retrieving information from a database in response to queries submitted by a user, said system comprising:
- means for receiving a first user query;

means arranged to derive a first lexical chain set from a first user query using a predetermined lexical chaining algorithm, said first lexical chain set comprising one or more lexical chains representing possible interpretations of said first user query;

means arranged to store one or more lexical chains from said first lexical chain set in a lexical chain storage means;

means arranged to identify a first subset of documents from said database using said first lexical chain set and a predetermined information retrieval algorithm;

means for making information relating to said first subset of documents available to the user;

means for receiving a subsequent user query, said subsequent user query being related to said first user query;

means arranged to derive a subsequent lexical chain set from said subsequent user query using a predetermined lexical chaining algorithm in conjunction with one or more lexical chains stored in said lexical chain storage means;

means arranged to identify a subsequent subset of documents from said database using said subsequent lexical chain set and a predetermined information retrieval algorithm;

means for making information relating to said subsequent subset of documents available to the user.

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11) An information retrieval system according to claim 10, further comprising:

means for deriving a lexical chain set from an identified subset of documents; and
means for updating said lexical chain storage means in view of said lexical chain
set derived from said subset of documents.

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12) An information retrieval system according to claim 10, further comprising:

means for receiving an indication from a user as to which documents from an identified subset of documents are considered to be relevant;

means for deriving a lexical chain set from those documents which are 30 considered to be relevant; and

means for updating said lexical chain storage means in view of said lexical chain set derived from said documents which are considered to be relevant.

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- 13) An information retrieval system according to any of claims 10 to 12, further comprising means for receiving an indication from a user as to whether a subsequent user query is considered to be related to a previous user query or not.
- 5 14) An information retrieval system according to any of claims 10 to 13, wherein the database comprises meta-data relating to said information.
 - 15) An information retrieval system according to any of claims 10 to 14, wherein the information in the database is indexed using lexical chains.
 - 16) An information retrieval system according to claim 15, wherein the predetermined information retrieval algorithm is arranged to identify documents with reference to said indexed information.

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